

IN THE CLAIMS

1 - 26. (cancelled)

27. (new) A method of displaying a digital image on a device comprising one or more pixels, the method comprising:

dividing the digital image into groups of dots;

assigning a group of dots to a corresponding pixel; and

for the assigned group,

- (1) selecting at least a first dot from the assigned group according to a pattern,
- (2) operating the corresponding pixel based on the selected at least the first dot at a first time instance,
- (3) selecting at least a second dot different from the first dot from the assigned group according to the pattern, and
- (4) operating the corresponding pixel based on the selected at least the second dot at the second time instance.

28. (new) The method of claim 27, wherein the pattern specifies one or more of: (i) a probability of selecting each dot in the assigned group, and (ii) an order in which dots in the assigned group are selected.

29. (new) The method of claim 28, wherein the pattern specifies that some dots in the assigned group are selected with higher frequency than other dots in the assigned group.

30. (new) The method of claim 28, wherein the pattern specifies that all dots in the assigned group are selected.

31. (new) The method of claim 27, wherein each group of dots has (i) at most four pixels, (ii) at most nine pixels, (iii) at most sixteen pixels, or (iv) at twenty five pixels.

32. (new) The method of claim 27 further comprising, for the assigned group performing mathematical calculations on the selected dots.

33. (new) The method of claim 32, wherein the mathematical calculations comprise averaging.

34. (new) The method of claim 27, wherein the first dot belongs to only one group.
35. (new) A device comprising one or more pixels for displaying a portion of a digital image, the device comprising:
- a data selector operable to select a portion of the digital image;
 - a display circuit operable to operate the one or more pixels based on the selected portion of the digital image, wherein the display circuit comprises: (i) a memory operable to store the selected portion of the digital image, (ii) a controller operable to select at least one dot from the stored portion of the digital image according to a pattern, and (iii) one or more drivers for operating the pixels based on the selected on or more dots.
36. (new) The device of claim 35, wherein the pattern specifies one or more of: (i) the probability of selecting each dot in the assigned group, and (ii) the order in which dots in the assigned group are selected for display.
37. (new) The device of claim 36, wherein the pattern specifies that some dots in the assigned group are selected with higher frequency than other dots in the assigned group.
38. (new) The device of claim 37, wherein the pattern specifies that all dots in the assigned group are selected.
39. (new) The device of claim 38 further comprising, means for performing mathematical calculations on the selected dots.
40. (new) The method of claim 39, wherein the mathematical calculations comprise averaging.
41. (new) A device comprising one or more pixels for displaying a portion of a digital image, the device comprising:
- means for selecting a portion of the digital image;
 - means for storing the selected portion of the digital image;

means for selecting at least one dot from the stored portion of the digital image
according to a pattern; and
means for operating a pixel based on the selected at least one dot.